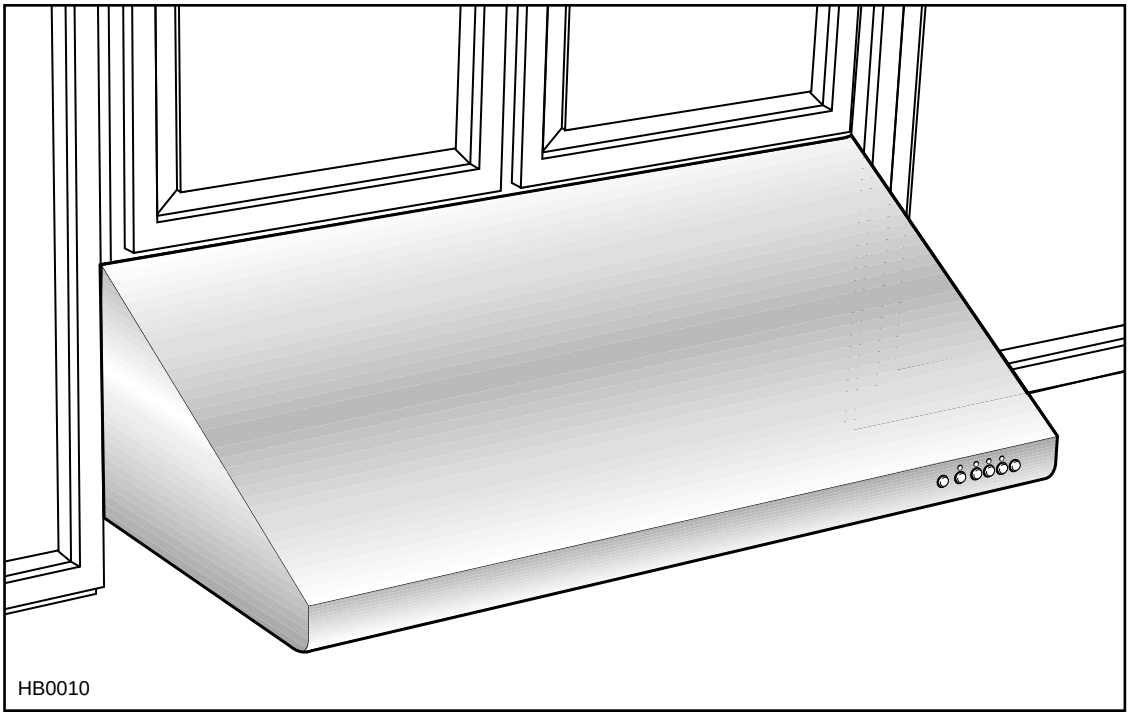
VENMAR®



CONNAISSEUR 3000 SERIES

⚠INTENDED FOR DOMESTIC COOKING ONLY⚠

READ AND SAVE THESE INSTRUCTIONS

INSTALLER: LEAVE THIS MANUAL WITH HOMEOWNER.
HOMEOWNER: USE AND CARE INFORMATION ON PAGES 9 TO 11.

Venmar Ventilation inc., 550 Lemire Blvd., Drummondville, Qc., Canada J2C 7W9 Tel.: 1-800-567-3855 Fax: 1-800-567-1715
www.venmar-ventilation.com 03506 rev E

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Do not use this unit with any solid-state speed control device.
8. To reduce the risk of fire, use only steel ductwork.
9. This unit must be grounded.

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

b) Always turn hood ON when cooking at high heat or when cooking flaming foods.

c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.

d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

⚠ WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING*:

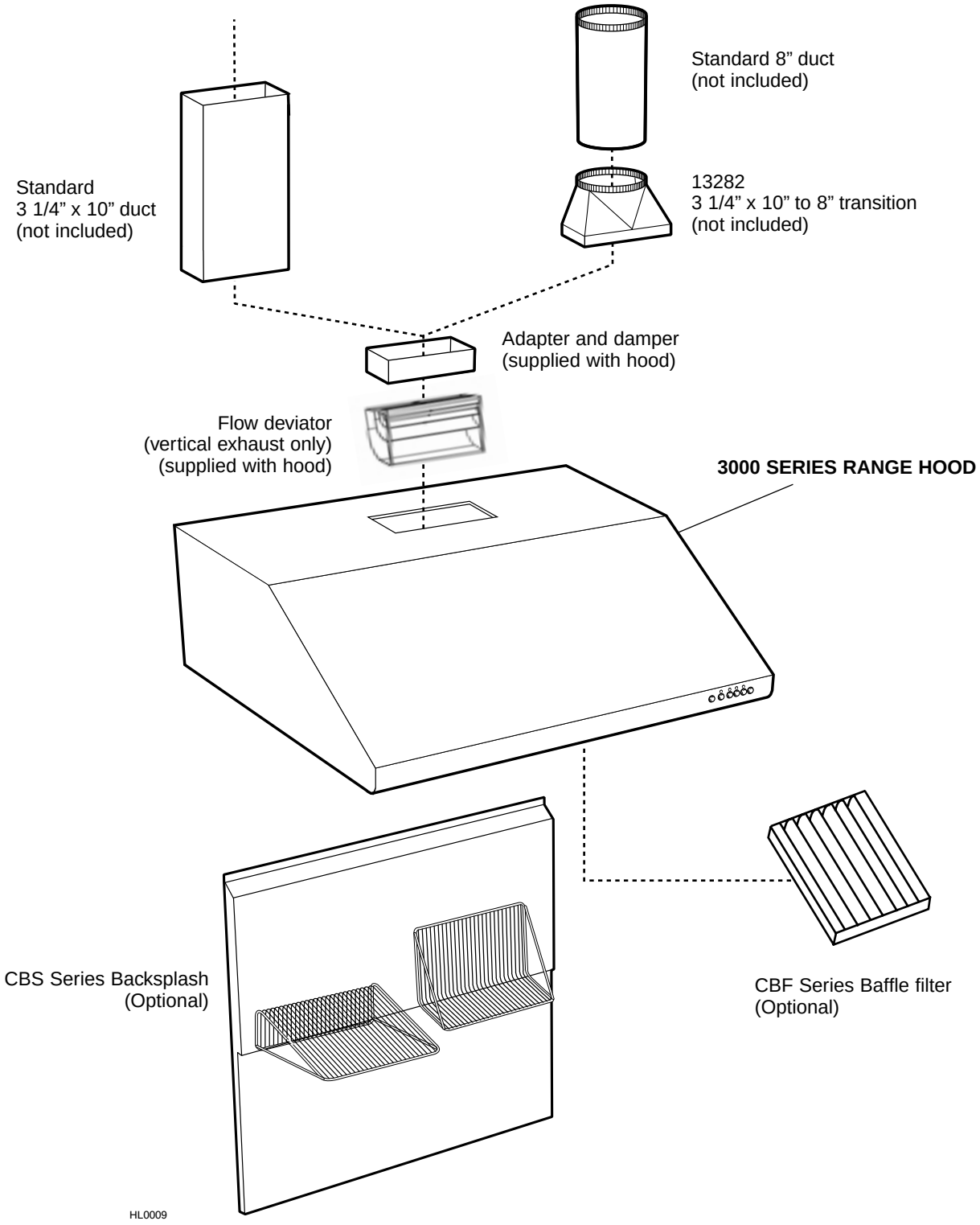
1. SMOTHER FLAMES with a close-fitting lid, cookie sheet or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. IF THE FLAMES DO NOT GO OUT IMMEDIATELY, EVACUATE AND CALL THE FIRE DEPARTMENT.
2. NEVER PICK UP A FLAMING PAN – You may be burned.
3. DO NOT USE WATER, including wet dishcloths or towels – This could cause a violent steam explosion.
4. Use an extinguisher ONLY if:
   - **A.** You own a Class ABC extinguisher and you know how to operate it.
   - **B.** The fire is small and contained in the area where it started.
   - **C.** The fire department has been called.
   - **D.** You can fight the fire with your back to an exit.

*Based on "Kitchen Fire Safety Tips" published by NFPA.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. Your hood motor has a thermal overload which will automatically shut off the motor if it becomes overheated. The motor will restart when it will be cooled down. If the motor continues to shut off and restart, have the hood serviced.
4. For best capture of cooking impurities, the bottom of the hood should be at a minimum of 20" (24" over a gas range) and at a maximum of 30" above the cooking surface.
5. Two installers are recommended to install this hood, because of its large size and weight.
6. To reduce the risk of fire and to properly exhaust air, be sure to duct air outside – Do not exhaust air into spaces within walls or ceilings or into attics, crawl spaces or garage.
7. This product is equipped with a thermostat which may start blower automatically. To reduce the risk of injury and to prevent power from being switched on accidentally, switch power off at service panel and lock or tag service panel.
8. Because of the high exhausting capacity of this hood, you should make sure enough air is entering the house to replace exhausted air by opening a window close to or in the kitchen.
9. Use with approved cord-connection kit only.
10. Please read specification label on product for further information and requirements.

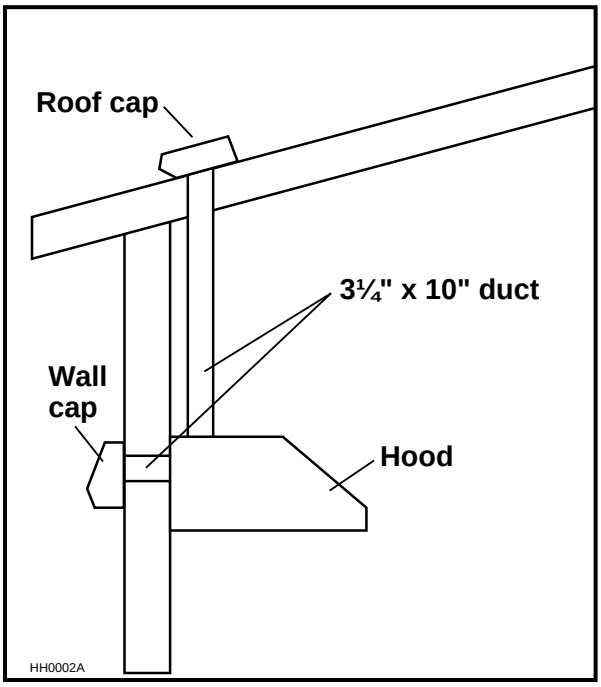
CONNAISSEUR
3000 SERIES

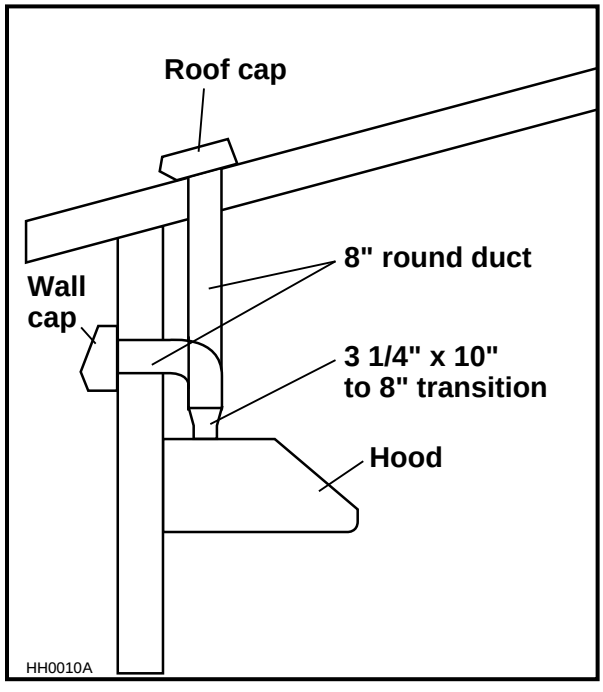


1. INSTALL DUCTWORK

Plan where and how the ductwork will be installed.

Install proper-sized ductwork, elbows and roof or wall cap for the type of blower you are installing. If using 8” round ducts, use the transition. Use 2” duct tape to seal duct joints.





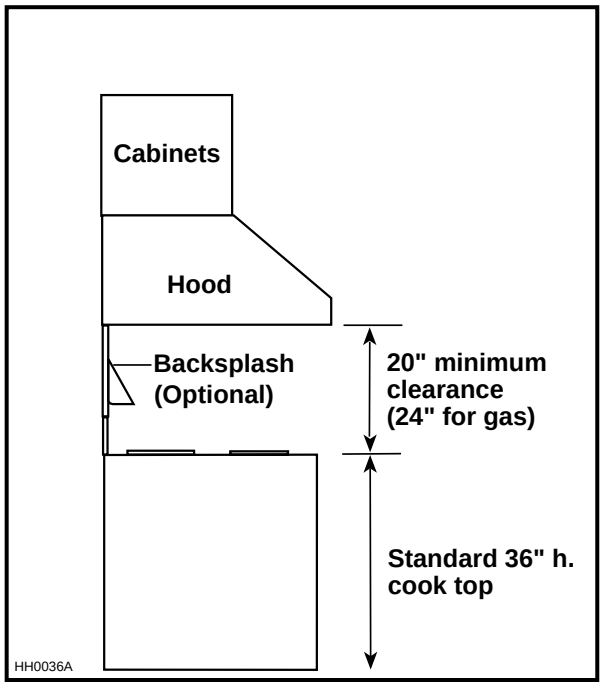
2. MEASURE INSTALLATION

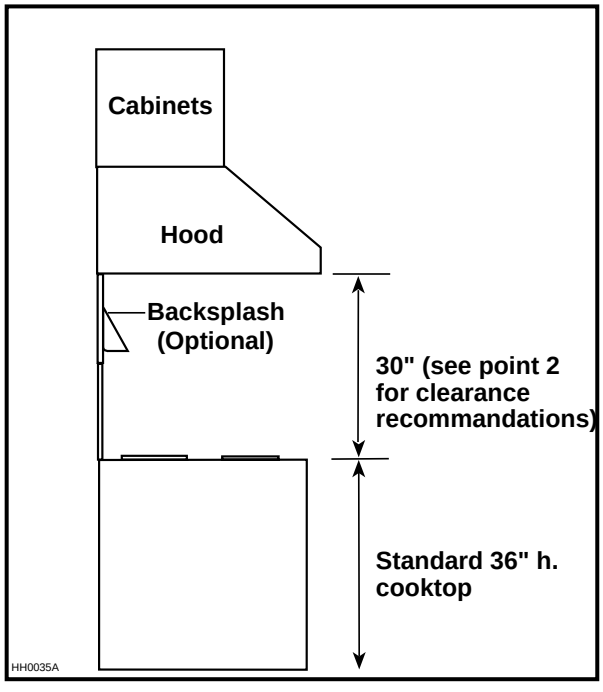
Dimensions for the most common installations are shown below.

Te minimum hood distance above the cooktop must not be less than 20” (508 mm) from an electric range and 24” (610 mm) from a gas range.

A maximum of 30” (762 mm) above the cooktop is highly recommended for best capture of cooking impurities.

Distances over 30” (762 mm) are at the installer and users discretion.





3. PREPARE THE INSTALLATION

Make sure that the following items are included:

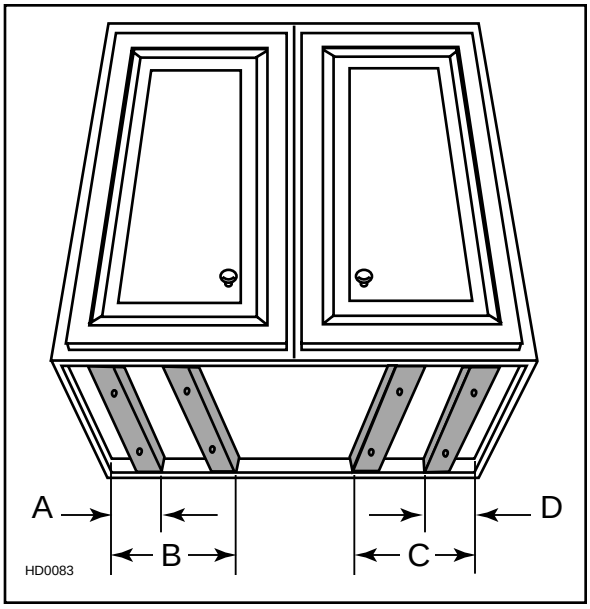
-Hood
-Filters
-Bag of parts including :
(1) wire clamp, (8) 1/2” double thread screws, (2) wire connectors, (2) 1/2” standard screws.
-Adapter/damper assembly 3-1/4” x 10”
-Deviator

Parts sold separately:

- Halogen lights (120V, 50W, PAR 20)
- Heat lamps (120V, IR 175W, PAR 38)
- Backsplash (optional)
- Baffle filters (optional)
- Transition 3-1/4”x10” to 8” (optional)

NOTE: For cabinets with recessed bottom, attach wood filler strips (not included) on each sides, as shown below. Use two (2) 1-inch wide strips for 30” wide hoods, and four (4) 1-inch wide strips for wider hoods, cut to length. See below for wood filler strip locations.

HOOD WIDTHS	LOCATIONS A	B	C	D
30”	1 1/2”	N/A	N/A	1 1/2”
36”	1 1/2”	2 3/4”	5”	1 1/2”
42”	1 1/2”	5 1/2”	8”	1 1/2”
48”	1 1/2”	8 1/2”	11”	4”



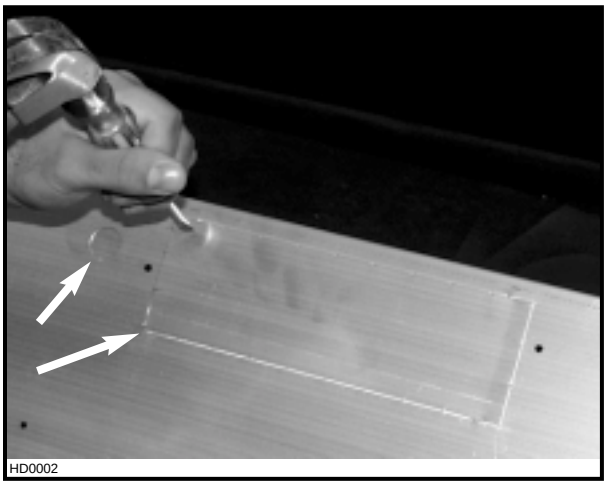
4. INSTALL BACKSPLASH (OPTIONAL)

Backsplash must be installed before the hood shell because the hood shell covers the backsplash top mounting screws. Also, when the range control panel is higher than the cooktop, make sure there is at least 18” clearance between the bottom of the hood and the range control panel. (Refer to instructions included with backsplash.)

5. CHOOSE THE OPENING AND INSTALL THE DEVIATOR

Remove the knockout for the chosen opening (horizontal or vertical) at the back or on top of the hood and for electric connection. **YOU MUST** also install the deviator if you choose the vertical opening (see picture below).

NOTE: The deviator will not slide entirely into the hood, you will notice 1/8” will remain.

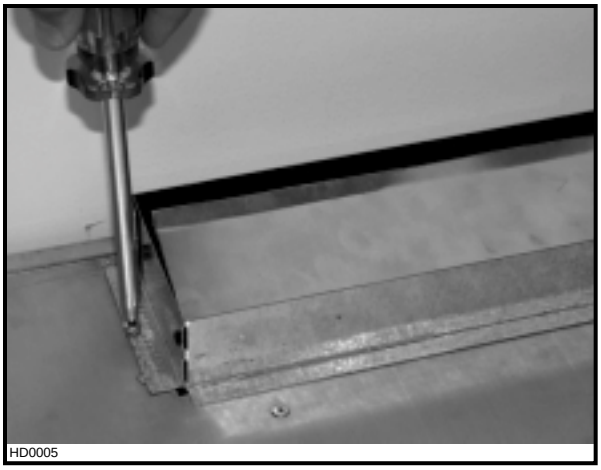


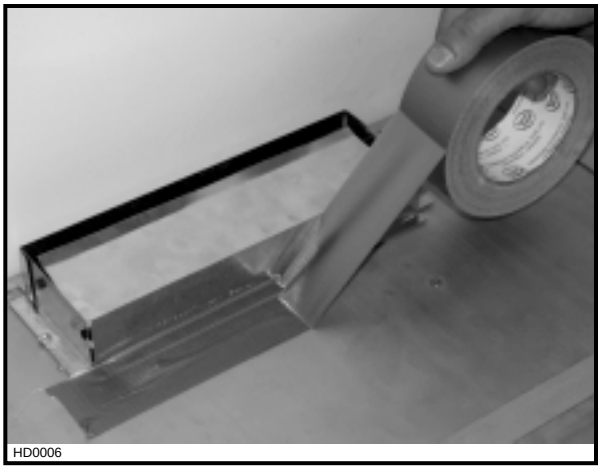
Removing knockout hood opening

Inserting deviator into hood vertical opening

6. INSTALL THE ADAPTER

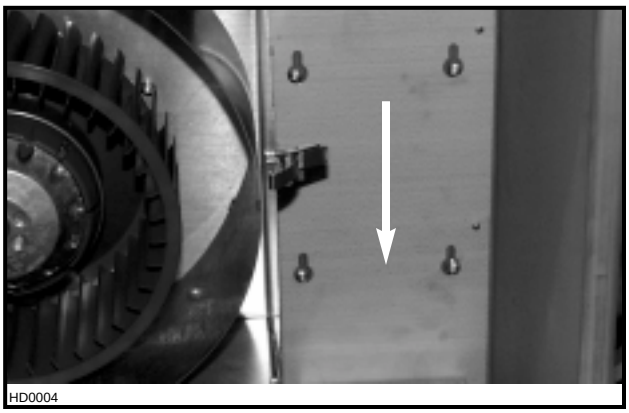
Using (2) 1/2” screws, secure the adapter to the top or back of the hood. Tape the adapter to the hood using duct tape to seal it.





7. INSTALL THE HOOD

Run power cable to installation location. Place the hood at its location. Mark the position of the screws (smaller part of the key holes) with a pen. Remove the hood and install the (8) 1/2” double thread screws leaving a 1/8” gap (4 screws for 30” hood). Remove wiring cover. Place the wire clamp, insert the cable in the hood and tighten the wire clamp to secure the cable. Place the hood under the cabinet and slide it in position. Make sure the adapter/damper assembly enters the ducting. Secure the hood by tightening the screws completely.


HD0004

8. CONNECT WIRING

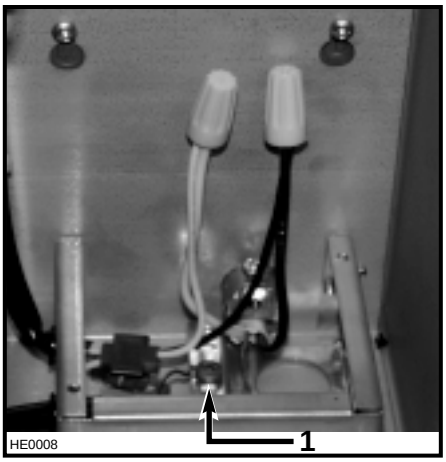
⚠ WARNING

Risk of electrical shock. Electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards. Before connecting wires, switch power off at service panel and lock service disconnecting means to prevent power to be switched on accidentally.

Connect cable to wiring box using wire connectors.

Connect BLACK to BLACK, WHITE to WHITE, and GREEN wire under ground screw. Reinstall wiring cover.

DO NOT FORGET TO CONNECT THE GROUND.



1) Ground screw

9. LIGHT BULBS

This range hood uses halogen lamps. (120V, 50W, PAR 20)

Install the lights by rotating them clockwise into their socket holder.

10. HEAT LAMPS

The heat lamps required are 120V, 175W max, infrared bulbs. (120V, IR 175W, PAR 38)

You can use white halogen lights if warming shelves are not used. (120V, 90W, PAR 38)

Install the lights by rotating them clockwise into their socket holder.

11. INSTALL FILTERS

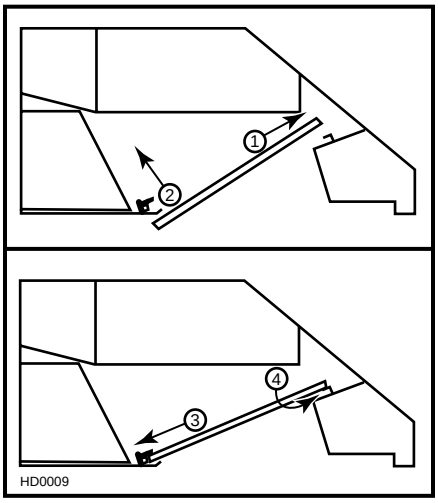
CAUTION

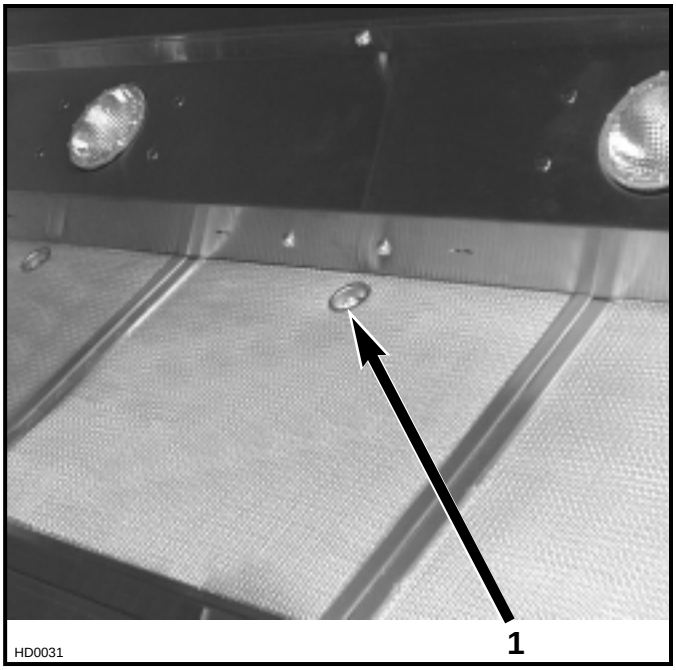
Remove protective plastic film covering filters before installing them.

It is recommended to install side filters first and finish with center one(s). Install as follows:

MESH FILTER INSTALLATION

1. Insert upper end of filter into the hood (finger sized cup side).
2. Raise lower end toward the inside of hood.
3. Position lower end of filter into channel.
4. Using finger sized cup, pull on the upper end of filter and insert it under the inner retaining piece.





1) Finger sized cup

BAFFLE FILTER INSTALLATION

These filters are available as an option. To order them, refer to table below to find the right kit number for your hood. To install them, refer to instruction sheet provided in baffle filter kit.

BAFFLE FILTER (TYPICAL)

CONNAISSEUR 3000

Kit #	Hood Width
CBF3010	30”
CBF3610	36”
CBF4210	42”
CBF4810	48”

USE AND CARE

Filters and impeller(s)

The grease filters, impeller(s) and grease collector channel should be cleaned frequently. Use a warm detergent solution. Impeller(s) are dishwasher safe.

NOTE: It is not recommended to wash the grease filters in the dishwasher, because some minerals, when in contact with dishwasher soap additives, may cause a discoloration of the filters. This discoloration is not covered by the warranty.

To remove mesh filters, using finger sized cup, pull on the upper end of filter and disengage it from under the inner retaining piece. Then, pull out filters from hood.

To remove the impeller(s), you must take off the cover by unlatching both sides of the blower. Then remove the impeller(s).

There is a tab on the interior ring of the wheel, make sure it fits into one of the holes on the motor (you will feel it fall into position).

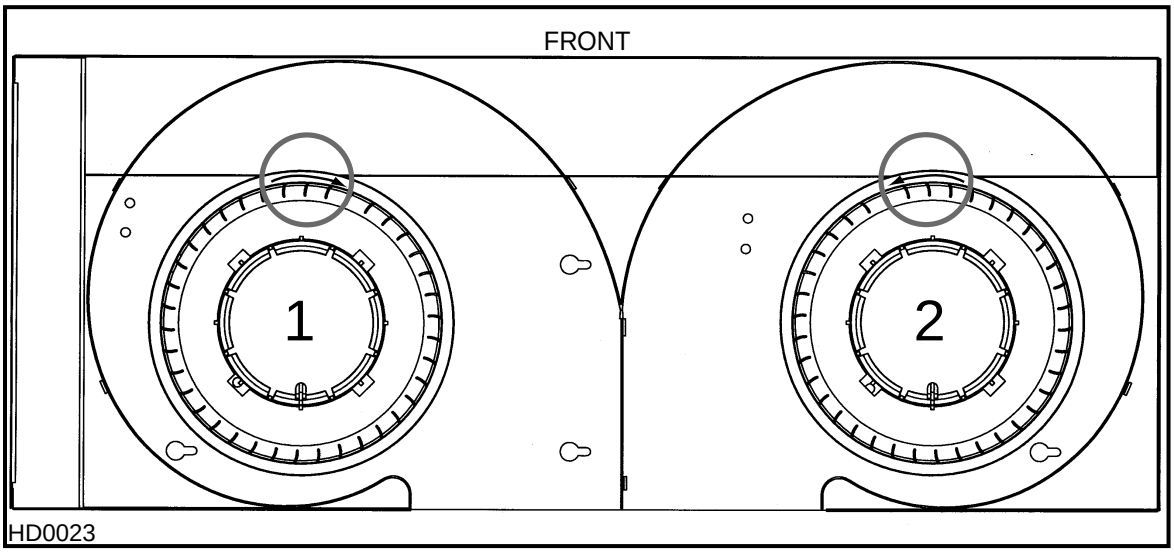
HD0021

HD0022

CAUTION

For dual blower unit, make sure the impellers are correctly installed; the hood will not work properly if the impellers are reversed.

In the dual blower, both impellers are different: one rotates clockwise and the other one rotates counterclockwise. Each wheel and motor have an arrow and a number on them, you must match them correctly (see drawing below).



HD0023

Hood cleaning

Stainless steel cleaning: How to maintain its « BRIGHT LOOK »

Do:
- Regularly wash surfaces with clean cloth or rag soaked with warm water and mild soap or liquid dishwashing detergent.
- Always clean in the direction of original polish lines.
- Always rinse well with clear water (2 or 3 times) after cleaning. Wipe dry completely.
- You may also use a specialized household stainless steel cleaner.

Don't:
- Do not use any steel or stainless steel wool or any other scrapers to remove stubborn dirt.
- Do not use any harsh or abrasive cleansers.
- Do not allow dirt to accumulate.
- Do not let plaster dust or any other construction residues reach the hood. During construction or renovation, cover the hood to make sure no dust sticks to stainless steel surface.

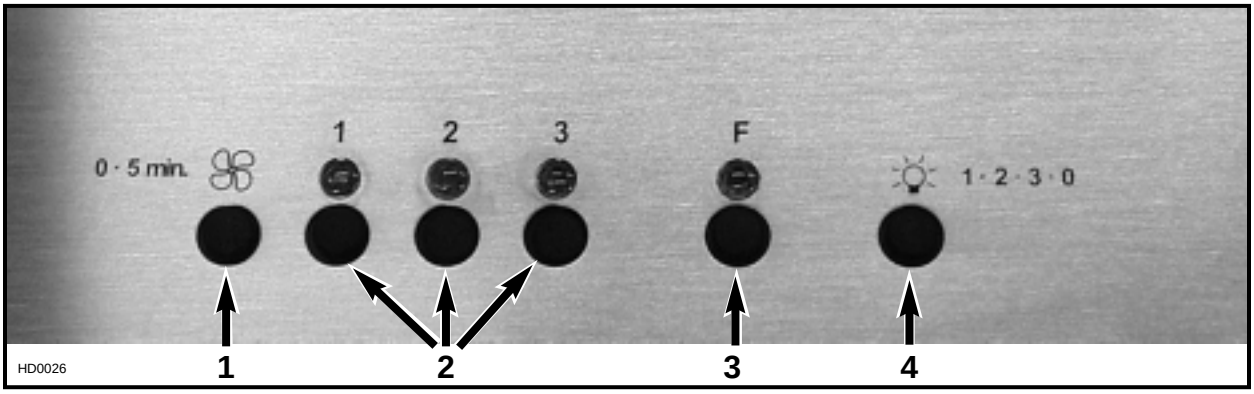
Avoid: when choosing a detergent
- Any cleaners that contain **bleach** will attack stainless steel.
- Any products containing : **chloride**, **fluoride**, **iodide** or **bromide** will deteriorate surfaces rapidly.
- Any **combustible products** used for cleaning such as **acetone**, **alcohol**, **ether**, **benzol**, etc., are highly explosive and should not be used close to a range.

Enamel finish:

Clean with warm water and mild detergent only. If discoloration occurs, use a good enamel polish such as automotive polish. (**DO NOT** use rough abrasive cleaner or porcelain cleaner.)

OPERATION

Always turn ON your hood before you begin cooking in order to establish an air flow in the kitchen. Let the blower run for a few minutes to clear the air after you turn off the range. This will help keep the whole kitchen cleaner and brighter.



1) Delay switch
2) Start/Stop/Speed selection switches
3) Master OFF/Filter maintenance switch/Heat detector
4) Light switch

1. Delay switch:

When a speed is selected, press the delay switch to activate the delay function. The corresponding speed indicator light will start flashing to indicate this function is activated. The fan will continue to operate for 5 minutes and will stop automatically. To cancel the delay function, press the delay switch once again.

2. Start / Stop / Speed selection switches:

Press the switch corresponding to the desired fan speed. The light indicates the selected speed, speed "1" indicates the Silentsure™* mode. To turn off the fan, press once more on the corresponding fan speed switch.

3. Master Off / Filter maintenance switch / Heat detector: (This switch has a triple function)

a) To turn Off the motor(s) and the lights simultaneously, press the switch once.

b) After 25 hours of operation, the filter maintenance light indicator will turn itself on. This indicates that the filters and the blower wheel(s) need to be cleaned in order to maintain efficient operation of the unit. The indicator light will stay ON until the function is reactivated by pressing this switch.

c) The light indicator is used for the Smartvent™* function as well (see below).

Smarvent™*:

When an excessively high temperature is detected, the detector takes control over the blower and ensure that an appropriate ventilation is produced. The controller is equipped with two detection levels.

Protected mode level 1: When medium heat is detected, the blower sets itself to speed 2, the corresponding light indicator comes ON and the F indicator flashes.

Protected mode level 2: When a greater heat is detected, the blower then sets itself to speed 3, the light indicator 3 turns ON and the F indicator flashes.

⚠ WARNING

The protected mode can start the blower even if the hood is turned OFF. In protected mode, it is impossible to turn the blower OFF with the push buttons. If you must stop the blower, do it from the main electrical panel.

The blower will remain ON until the heat is back to normal, it then returns to the speed previously selected.

4. Light switch:

The light switch allows three different lighting levels according to your needs (2 x 50 Watts maximum). Use halogen light bulbs (120V, 50W, PAR 20).

Heat lamp switches:

Press the black rocker switches on the halogen light panel to activate the heat lamps independently.

Use infrared light bulbs (120V, IR175W, PAR38) or white halogen bulbs (120V, 90W, PAR38) if food warming shelves are not used.

⚠ WARNING

Never place highly flammable material under heat lamps.

*TM in Canada only. US TM pending.

TECHNICAL SPECIFICATIONS

Transformer	120 Vac, 60 Hz	
Lights Size PAR20 Halogen bulbs	30”, 36”	42”, 48”
	2 x 50W	3 x 50W
Heat lamps 120V, IR 175W, PAR 38 Infrared bulbs	2 x 175W	
or Halogen lamps 120V, 90W, PAR 38	2 x 90W	
Blower:	single P5	dual P8
Hood width	30”, 36”	36”, 42”, 48”
Power	218 W	400 W
cfm	500	850

WARRANTY

Venmar Ventilation inc. warrants to the original consumer purchaser of its products, that such products will be free from defects in materials or workmanship with in-home service for a period of one (1) year, five (5) years on parts only except for the filters, which is one (1) year, and ten (10) years on motors, from date of original purchase.

THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. VENMAR VENTILATION INC. WILL NOT BE HELD RESPONSIBLE FOR ANY CLAIMS OVER THE ORIGINAL PURCHASE PRICE OF A **CONNAISSEUR RANGE HOOD**, NOR HELD RESPONSIBLE FOR SUBSEQUENT DAMAGE OR INCIDENT.

During the period stated above, Venmar Ventilation inc. will, at its opinion, repair or replace, without charge, any product or part which is found to be defective under normal use and service. THIS WARRANTY DOES NOT EXTEND TO ANY LIGHT BULBS. This warranty does not cover **a)** normal maintenance and service, **b)** any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repairs made by other than Venmar Ventilation inc, or **c)** a faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the 10-year period as specified for the express warranty. Some states or provinces do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

VENMAR VENTILATION INC'S OBLIGATION TO REPAIR OR REPLACE AT VENMAR'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. VENMAR SHALL NOT BE LIABLE FOR INCIDENTAL CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. SOME STATES OR PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

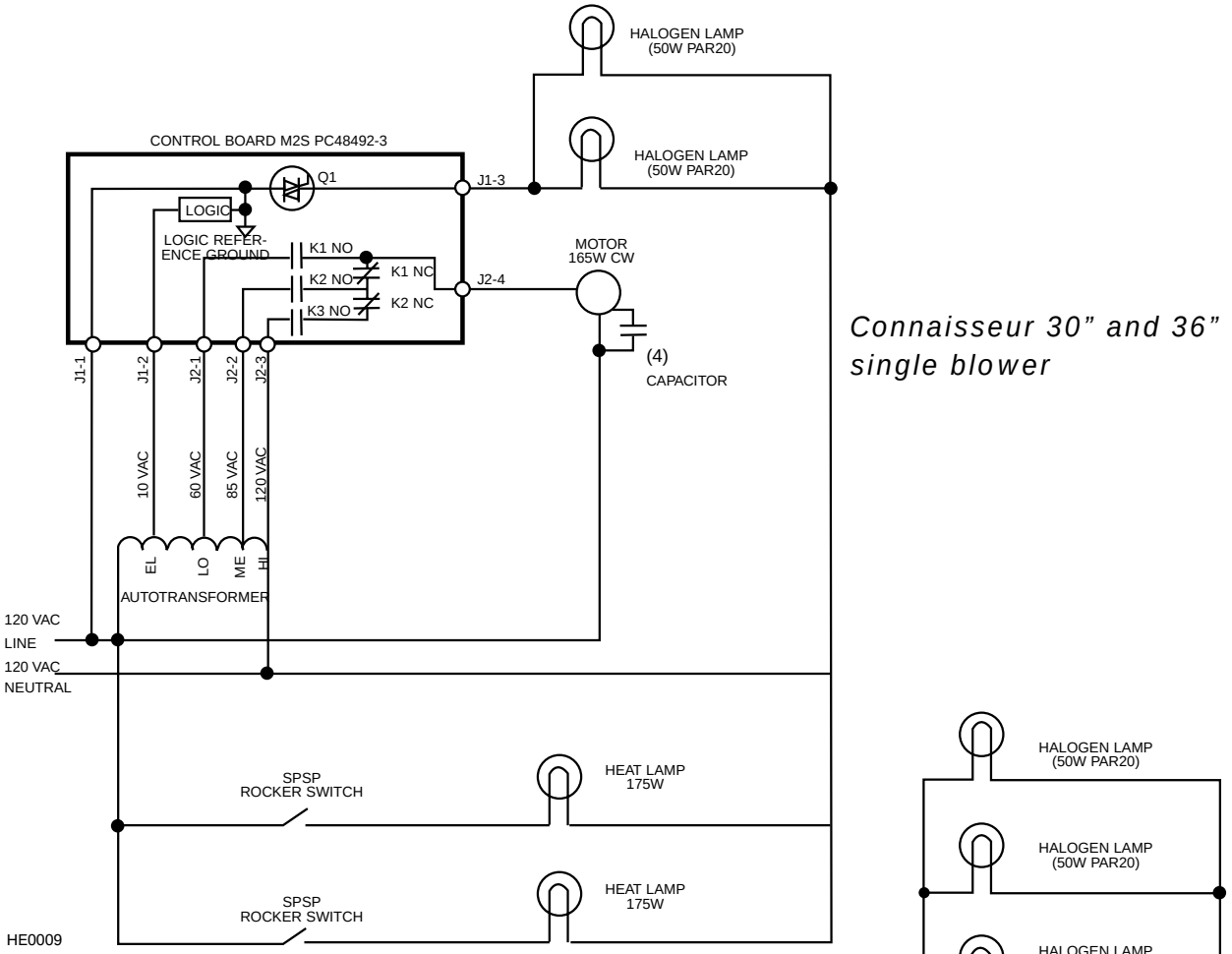
This warranty gives you specific legal rights and you may also have other rights, which vary from state or province to another. This warranty supersedes all prior warranties.

To contact Venmar Ventilation Inc. warranty service call 1-800-567-3855 in Canada and 1-800-836-6271 in the United States.

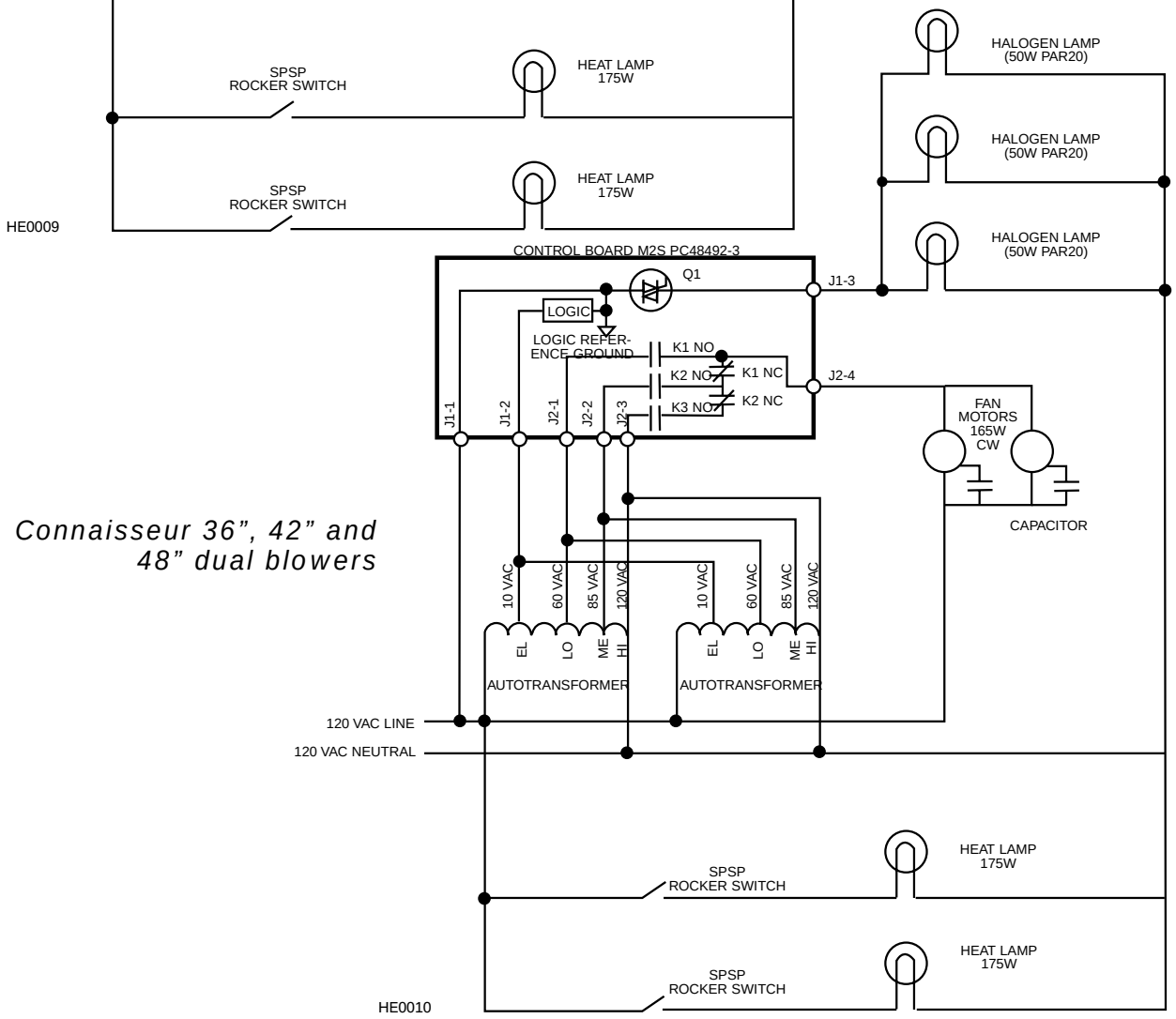
In order to qualify for a warranty claim, the owner of a Connaisseur range hood must have the model and serial number along with a proof of the original purchase date. At the time of requesting service, describe the nature of any defect in the product or part.

In case of discrepancies between the english version of the warranty and french and/or spanish version, the english version will prevail.

WIRING DIAGRAMS



Connaisseur 30" and 36" single blower

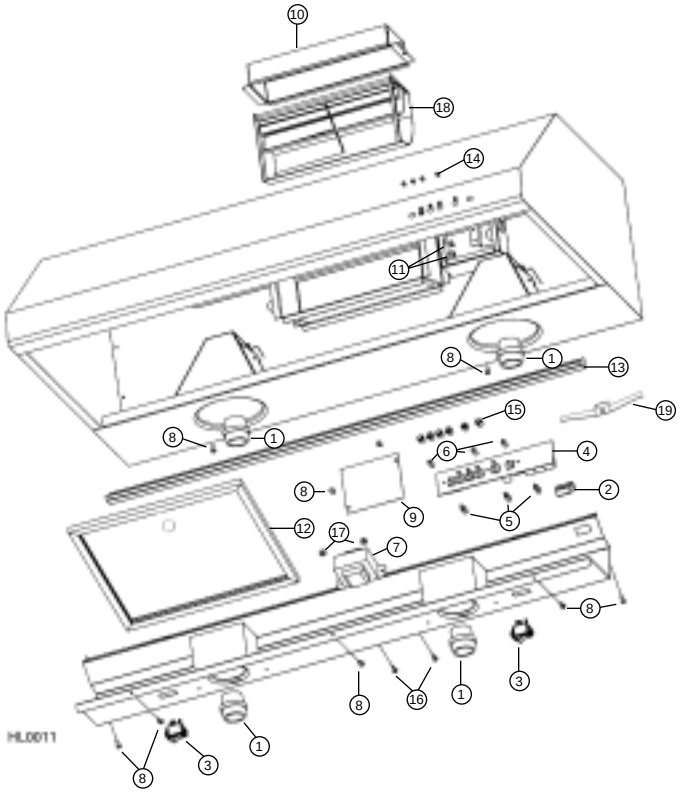


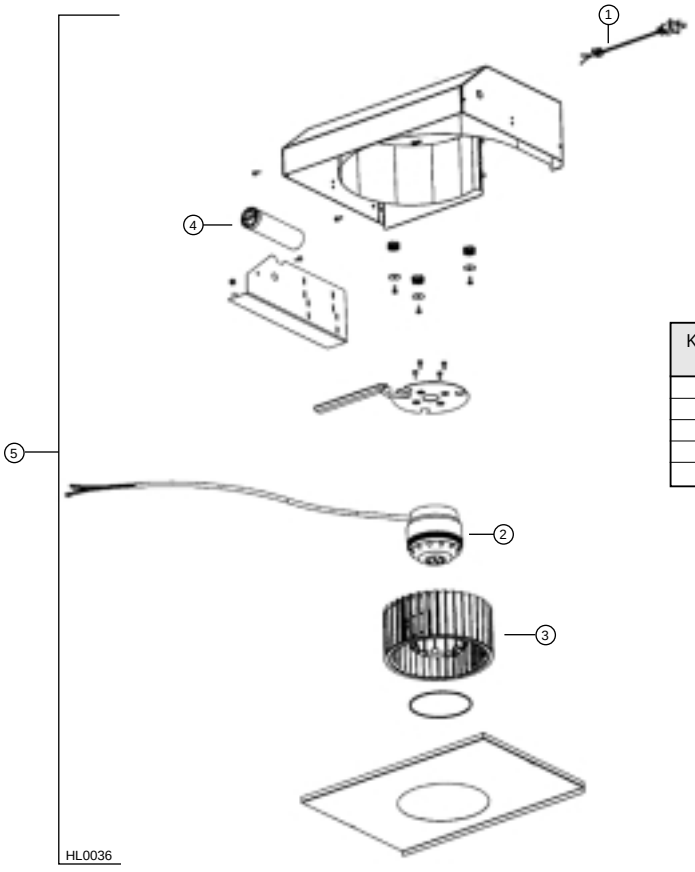
Connaisseur 36", 42" and 48" dual blowers

SERVICE PARTS

3000 SERIES SINGLE BLOWER

KEY #	PART NUMBER	DESCRIPTION	QTY	
			30"	36"
1	02264	LIGHT SOCKET	4	4
2	02772	FEMALE CONNECTOR	1	1
3	02563	SPST CARLING SIMPLE SWITCH	2	2
4	03597	ELECTRONIC CONTROL BOARD	1	1
5	02802	MALE/FEMALE NYLON SPACER 1/4" x 9/16" #6-32	3	3
6	03580	NYLON SPACER #6-32x1/2"	3	3
7	02414	AUTO TRANSFORMER 165W	1	1
	03521	10" CONNAISSEUR POWER CORD	1	1
	03522	10" CONNAISSEUR RIGHT HEAT LAMP WIRE	1	1
	03523	10" CONNAISSEUR LEFT HEAT LAMP WIRE	1	1
8	05520	SCREW #8-3/8", T/B, #8 HEAD	9	9
9	13230	ELECTRIC BOX COVER	1	1
10	13296	ADAPTER & DAMPER	1	1
11	03689	SCREW #10-32 X 3/8", T/F, GREEN	2	2
12	04279	CONNAISSEUR FILTER 11.930 X 9.800	2	-
	04280	CONNAISSEUR FILTER 11.930 X 9.800	1	3
13	13216	GREASE COLLECTOR 30"	1	-
	13217	GREASE COLLECTOR 36"	-	1
14	02577	WINDOW PLUG	4	4
15	02543	PUSH BUTTON	6	6
16	02512	SCREW #8-32 x 1/2" QDRX	2	2
17	00673	LOCK NUT #8-32	2	2
18	03500	AIR DEFLECTOR	1	1
19	03686	FILTER CLIP	3	3
	02544	HALOGEN LAMP	2	2
	03598	HEAT LAMP	2	2
	03506	INSTRUCTION MANUAL	1	1
	13279	PARTS BAG ((1) wire clamp LP16-AP, (8) double thread screws 6-12x0.5, (2) wire connectors #74B, (2) screws # 6 x 1/2")	1	1



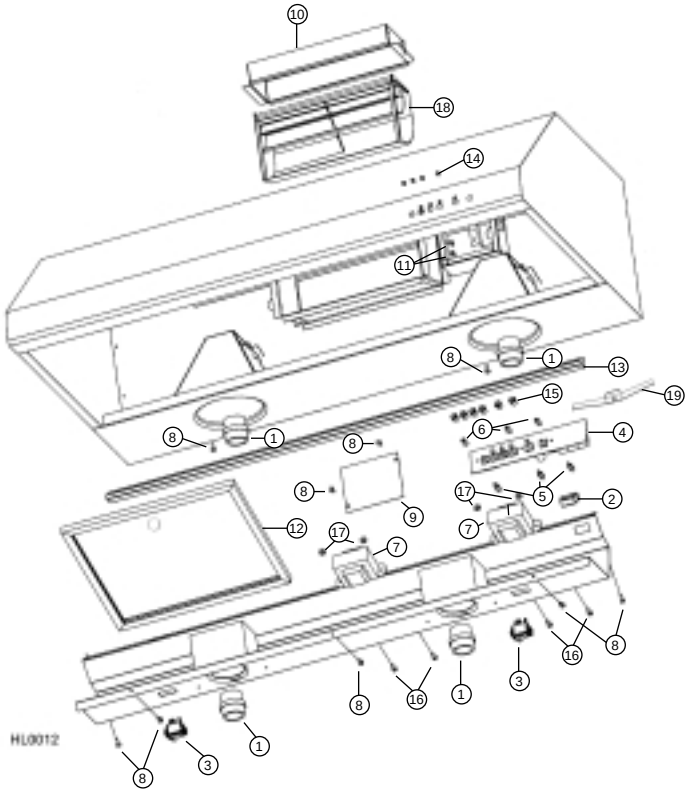


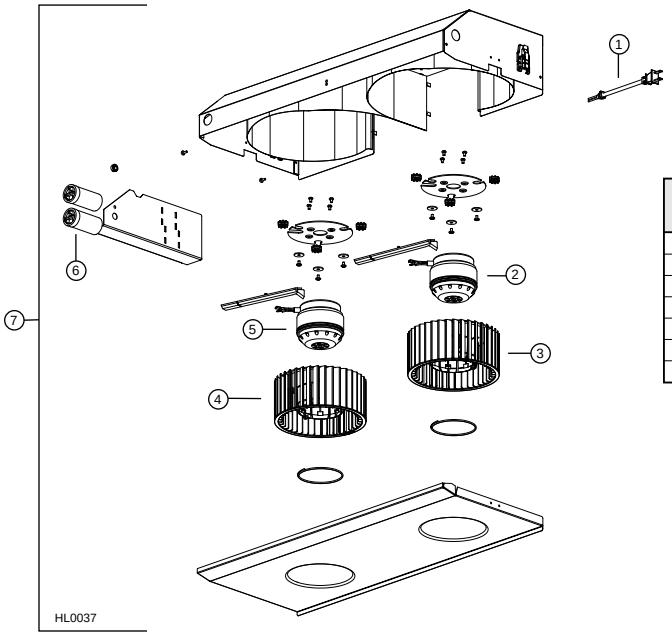
KEY #	PART NUMBER	DESCRIPTION	QTY	
			30"	36"
1	03494	BLOWER 36" POWER CORD	1	1
2	01766	MOTOR 165W CW	1	1
3	03400	IMPELLER, HOOD 7.094" X 3.375" CW	1	1
4	02160	CAPACITOR 15 MFD	1	1
5	14973	SINGLE BLOWER ASSEMBLY	1	1

SERVICE PARTS

3000 SERIES DUAL BLOWER

KEY #	PART NUMBER	DESCRIPTION	QTY		
			36"	42"	48"
1	02264	LIGHT SOCKET	4	5	5
2	02772	FEMALE CONNECTOR	1	1	1
3	02563	SPST CARLING SIMPLE SWITCH	2	2	2
4	03597	ELECTRONIC CONTROL BOARD	1	1	1
5	02802	MALE/FEMALE NYLON SPACER 1/4" x 9/16" #6-32	3	3	3
6	03580	NYLON SPACER #6-32x1/2"	3	3	3
7	02414	AUTO TRANSFORMER 165W	2	2	2
	03521	10" CONNAISSEUR POWER CORD	1	1	1
	03522	10" CONNAISSEUR RIGHT HEAT LAMP WIRE	1	1	1
	03523	10" CONNAISSEUR LEFT HEAT LAMP WIRE	1	1	1
8	05520	SCREW #8-3/8", T/B, #8 HEAD	9	10	10
9	13230	ELECTRIC BOX COVER	1	1	1
10	13296	ADAPTER & DAMPER	1	1	1
11	03689	SCREW #10-32 X 3/8", T/F, GREEN	2	2	2
12	04279	CONNAISSEUR FILTER 8.930 X 9.800	-	2	-
	04280	CONNAISSEUR FILTER 11.930 X 9.800	3	2	4
13	13217	GREASE COLLECTOR 36"	1	-	-
	13218	GREASE COLLECTOR 42"	-	1	-
	13219	GREASE COLLECTOR 48"	-	-	1
14	02577	WINDOW PLUG	4	4	4
15	02543	PUSH BUTTON	6	6	6
16	02512	SCREW #8-32 x 1/2" QDRX	4	4	4
17	00673	LOCK NUT #8-32	4	4	4
18	03500	AIR DEFLECTOR	1	1	1
19	03686	FILTER CLIP	3	4	4
	02544	HALOGEN LAMP	2	3	3
	03598	HEAT LAMP	2	2	2
	03506	INSTRUCTION MANUAL	1	1	1
	13279	PARTS BAG ((1) wire clamp LP16-AP, (8) double thread screws 6-12x0.5, (2) wire connectors #74B, (2) screws # 6 x 1/2")	1	1	1





KEY #	PART NUMBER	DESCRIPTION	QTY		
			36"	42"	48"
1	03494	BLOWER 36" POWER CORD	1	1	1
2	03457	MOTOR 165W CCW	1	1	1
3	03399	IMPELLER, HOOD 7.094" X 3.375" CCW	1	1	1
4	03400	IMPELLER, HOOD 7.094" X 3.375" CW	1	1	1
5	01766	MOTOR 165W CW	1	1	1
6	02160	CAPACITOR 15 MFD	2	2	2
7	15045	DUAL BLOWER ASSEMBLY	1	1	1